

**1 Identification**

- Product identifier
- Trade name: Epifanes Clear Gloss Varnish
- Relevant identified uses of the substance or mixture and uses advised against
- Product category PC9a Coatings and paints, thinners, paint removers
- Process category PROC10 Roller application or brushing
- Environmental release category  
ERC10a Wide dispersive outdoor use of long-life articles and materials with low release  
ERC2 Formulation of preparations
- Application of the substance / the mixture  
See our technical datasheet for application of this product.
- Details of the supplier of the safety data sheet
- Manufacturer/Supplier:  
W.Heeren & Zoon bv.  
P.O. box 166  
1430 AD Aalsmeer  
Netherlands  
tel.+31-(0)297-360366  
fax +31-(0)297-342078  
email: r&d@epifanes.nl
- Information department: environment protection department
- Emergency telephone number:  
Emergency Phone Number (24 hours) CHEMTREC (800-424-9300)  
Outside US: 703-527-3887

**2 Hazard(s) identification**

- Classification of the substance or mixture



GHS02 Flame

Flam. Liq. 3 H226 Flammable liquid and vapour.



GHS08 Health hazard

Carc. 2 H351 Suspected of causing cancer.

Repr. 2 H361 Suspected of damaging fertility or the unborn child.



GHS07

Skin Sens. 1 H317 May cause an allergic skin reaction.

- Classification according to Directive 67/548/EEC or Directive 1999/45/EC  
R10-52/53-66: Flammable. Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Repeated exposure may cause skin dryness or cracking.
- Information concerning particular hazards for human and environment:  
The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.  
At long or repeated contact with skin it may cause dermatitis due to the degreasing effect of the solvent.

(Contd. on page 2)

Trade name: Epifanes Clear Gloss Varnish

(Contd. of page 1)

· Classification system:

The classification was made according to the latest editions of international substances lists, and expanded upon from company and literature data.

· Label elements

· GHS label elements

The product is classified and labeled according to the Globally Harmonized System (GHS).

· Hazard pictograms



GHS02

GHS07

GHS08

· Signal word Warning

· Hazard-determining components of labeling:

cobalt bis(2-ethylhexanoate)

2-butanone oxime

· Hazard statements

H226 Flammable liquid and vapour.

H317 May cause an allergic skin reaction.

H351 Suspected of causing cancer.

H361 Suspected of damaging fertility or the unborn child.

· Precautionary statements

P102 Keep out of reach of children.

P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

P260 Do not breathe dust/fume/gas/mist/vapors/spray.

P271 Use only outdoors or in a well-ventilated area.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P301+P310 If swallowed: Immediately call a poison center/doctor.

P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

· Classification system:

· NFPA ratings (scale 0 - 4)



Health = 0

Fire = 3

Reactivity = 0

· HMIS-ratings (scale 0 - 4)



Health = 0

Fire = 3

Reactivity = 0

· Other hazards

· Results of PBT and vPvB assessment

· PBT: Not applicable.

· vPvB: Not applicable.




























Trade name: Epifanes Clear Gloss Varnish

(Contd. of page 2)

**3 Composition/information on ingredients**

- Chemical characterization: Mixtures
- Description:  
Mixture of the substances listed below with nonhazardous additions.

· Dangerous components:

CAS: 64742-48-9 EINECS: 265-150-3 Reg.nr.: 01-2119463258-33	Naphtha (petroleum), hydrotreated heavy (Note-p)  Xn R65 R10-66 -----  Flam. Liq. 3, H226  Asp. Tox. 1, H304	25-50%
CAS: 1330-20-7 EINECS: 215-535-7 Index number: 601-022-00-9 Reg.nr.: 01-2119488216-32	xylene  Xn R20/21  Xi R38 R10 -----  Flam. Liq. 3, H226  Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315	≤ 2.5%
CAS: 127519-17-9 ELINCS: 407-000-3 Index number: 607-281-00-4 Reg.nr.: 01-0000015648-61	A mixture of branched and linear C7-C9 alkyl 3-[3-(2H-benzotriazol-2-yl)-5-(1,1-dimethyl-ethyl)-4-hydroxyphenyl] propionates  N R51/53	≤1%
CAS: 96-29-7 EINECS: 202-496-6 Index number: 616-014-00-0 Reg.nr.: 01-2119539477-28	2-butanone oxime  Xn R21-40  Xi R41-43 Carc. Cat. 3 -----  Carc. 2, H351  Eye Dam. 1, H318  Acute Tox. 4, H312; Skin Sens. 1, H317 H227	≤0.5%
CAS: 100-41-4 EINECS: 202-849-4 Index number: 601-023-00-4 Reg.nr.: 01-2119489370-35	ethylbenzene  Xn R20  F R11 -----  Flam. Liq. 2, H225  Carc. 2, H351  Acute Tox. 4, H332	≤0.5%
CAS: 140-66-9 EINECS: 205-426-2 Reg.nr.: 01-2119541687-29	4-(1,1,3,3-tetramethylbutyl)phenol  Xi R38-41  N R50/53 -----  Eye Dam. 1, H318  Skin Irrit. 2, H315	≤0.5%
CAS: 98-54-4 EINECS: 202-679-0 Reg.nr.: 01-2119489419-21	4-tert-butylphenol  Xn R62  Xi R38-41  N R51/53 -----  Repr. 2, H361  Skin Corr. 1C, H314; Eye Dam. 1, H318	≤0.5%

(Contd. on page 4)


Trade name: Epifanes Clear Gloss Varnish


(Contd. of page 3)


CAS: 136-52-7  
EINECS: 205-250-6  
Reg.nr.: 01-2119524678-29


cobalt bis(2-ethylhexanoate)


≤0.5%

 Xn R62

 Xi R43

 N R50/53

 Carc. 2, H351; Repr. 2, H361

 Skin Sens. 1, H317

· SVHC

140-66-9 4-(1,1,3,3-tetramethylbutyl)phenol

· Additional information:

Note P: The substance does not have to be classified as a carcinogen or mutagen as can be shown that the substance contains less than 0.1% (w / w) benzene (EINECS No 200-753-7.). This note applies only to certain complex oil-derived substances in Part 3.

For the wording of the listed risk phrases refer to section 16.

#### 4 First-aid measures

- Description of first aid measures
- After inhalation: Supply fresh air; consult doctor in case of complaints.
- After skin contact: Generally the product does not irritate the skin.
- After eye contact: Rinse opened eye for several minutes under running water.
- After swallowing: If symptoms persist consult doctor.
- Information for doctor:
- Most important symptoms and effects, both acute and delayed  
No further relevant information available.
- Indication of any immediate medical attention and special treatment needed  
No further relevant information available.

#### 5 Fire-fighting measures

- Extinguishing media
- Suitable extinguishing agents:  
CO<sub>2</sub>, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- For safety reasons unsuitable extinguishing agents: Water with full jet
- Special hazards arising from the substance or mixture  
No further relevant information available.
- Advice for firefighters
- Protective equipment: No special measures required.

#### 6 Accidental release measures

- Personal precautions, protective equipment and emergency procedures  
Wear protective equipment. Keep unprotected persons away.
- Environmental precautions:  
Inform respective authorities in case of seepage into water course or sewage system.  
Do not allow to enter sewers/ surface or ground water.
- Methods and material for containment and cleaning up:  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).  
Ensure adequate ventilation.
- Reference to other sections  
See Section 7 for information on safe handling.

(Contd. on page 5)

Trade name: Epifanes Clear Gloss Varnish

(Contd. of page 4)

See Section 8 for information on personal protection equipment.  
See Section 13 for disposal information.

**7 Handling and storage**

- Handling:
  - Precautions for safe handling  
Ensure good ventilation/exhaustion at the workplace.  
Prevent formation of aerosols.
  - Information about protection against explosions and fires:  
Keep ignition sources away - Do not smoke.  
Protect against electrostatic charges.
- Conditions for safe storage, including any incompatibilities
- Storage:
  - Requirements to be met by storerooms and receptacles: No special requirements.
  - Information about storage in one common storage facility: Not required.
  - Further information about storage conditions: Keep receptacle tightly sealed.
  - Specific end use(s) No further relevant information available.

**8 Exposure controls/personal protection**

- Additional information about design of technical systems:  
No further data; see item 7.
- Control parameters

Components with limit values that require monitoring at the workplace:

1330-20-7 xylene

Inhalative	(Tgg)time weighted average 15 min. / Exposure time	442 mg/m <sup>3</sup> (Algemene bevolking/ General population)
	(Tgg)time weighted average 8 hours / Exposure time	210 mg/m <sup>3</sup> (Algemene bevolking/ General population)

100-41-4 ethylbenzene

Inhalative	(Tgg)time weighted average 15 min. / Exposure time	430 mg/m <sup>3</sup> (Algemene bevolking/ General population)
	(Tgg)time weighted average 8 hours / Exposure time	215 mg/m <sup>3</sup> (Algemene bevolking/ General population)

1330-20-7 xylene

PEL Long-term value: 435 mg/m<sup>3</sup>, 100 ppm

(Contd. on page 6)

Trade name: Epifanes Clear Gloss Varnish

(Contd. of page 5)

REL	Short-term value: 655 mg/m <sup>3</sup> , 150 ppm Long-term value: 435 mg/m <sup>3</sup> , 100 ppm
TLV	Short-term value: 651 mg/m <sup>3</sup> , 150 ppm Long-term value: 434 mg/m <sup>3</sup> , 100 ppm BEI

· Ingredients with biological limit values:

1330-20-7 xylene

BEI 1.5 g/g creatinine  
Medium: urine  
Time: end of shift  
Parameter: Methylhippuric acids

· Additional information:

The lists that were valid during the creation were used as basis.

· Exposure controls

· Personal protective equipment:

· General protective and hygienic measures:

Wash hands before breaks and at the end of work.

Do not inhale gases / fumes / aerosols.

· Breathing equipment:

Not necessarily with good ventilation, however, use a filter AX when ventilation is inadequate!

· Protection of hands:

Use gloves of stable material (e.g. Nitrile) - if necessary tricoted to improve the wearability.



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

· Material of gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

· Penetration time of glove material

The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.

· For the permanent contact gloves made of the following materials are suitable: nitrile rubber;

recommended glove thickness > 0.45mm. permeability / permeation time: > 480 min. according to EN 374.

· As protection from splashes gloves made of the following materials are suitable:

chloropene; glove thickness > 0.7mm, breakthrough time > 60min. according to EN 374.

nitrile rubber; glove thickness > 0.3 mm, breakthrough time > 60min. volgens EN 374.

(Contd. on page 7)

Trade name: Epifanes Clear Gloss Varnish

(Contd. of page 6)

· Eye protection:



Tightly sealed goggles

**9 Physical and chemical properties**

· Information on basic physical and chemical properties	
· General Information	
· Appearance:	
Form:	Fluid
Color:	According to product specification
· Odor:	Characteristic
· Odour threshold:	Not determined.
· pH-value at 20 °C (68 °F):	7
· Change in condition	
Melting point/Melting range:	Undetermined.
Boiling point/Boiling range:	150 °C (302 °F)
· Flash point:	36 °C (97 °F)
· Flammability (solid, gaseous):	Not applicable.
· Ignition temperature:	205 °C (401 °F)
· Decomposition temperature:	Not determined.
· Auto igniting:	Product is not selfigniting.
· Danger of explosion:	Product is not explosive. However, formation of explosive air/vapor mixtures are possible.
· Explosion limits:	
Lower:	Not determined.
Upper:	Not determined.
· Vapor pressure:	Not determined.
· Density at 20 °C (68 °F):	0.91311 g/cm <sup>3</sup> (7.62 lbs/gal)
· Relative density	Not determined.
· Vapour density	Not determined.
· Evaporation rate	Not determined.
· Solubility in / Miscibility with	
Water:	Not miscible or difficult to mix.
· Partition coefficient (n-octanol/ water):	
	Not determined.
· Viscosity:	
Dynamic:	Not determined.
Kinematic at 20 °C (68 °F):	50 s (ISO 6 mm)
· Solvent content:	
Organic solvents:	41.2 %
VOC content:	41.2 %
	VOC content:
	376.6 g/l / 3.14 lb/gl

(Contd. on page 8)

Trade name: Epifanes Clear Gloss Varnish

(Contd. of page 7)

Solids content: 57.4 %  
 · Other information: No further relevant information available.

**10 Stability and reactivity**

- Reactivity
- Chemical stability
- Thermal decomposition / conditions to be avoided:  
No decomposition if used according to specifications.
- Possibility of hazardous reactions: No dangerous reactions known.
- Conditions to avoid: No further relevant information available.
- Incompatible materials: No further relevant information available.
- Hazardous decomposition products: No dangerous decomposition products known.

**11 Toxicological information**

- Information on toxicological effects
- Acute toxicity:
- LD/LC50 values that are relevant for classification:

64742-48-9 Naphtha (petroleum), hydrotreated heavy (Note-p)		
Oral	LD50	>5000 mg/kg bw (rat)
Dermal	LD50	>5000 mg/kg bw (rabbit) ((24h))
Inhalative	LC50	>5000 mg/m <sup>3</sup> (vapour) (rat) ((8h))
1330-20-7 xylene		
Oral	LD50	4300 mg/kg bw (rat)
Dermal	LD50	2000 mg/kg bw (rabbit)
96-29-7 2-butanone oxime		
Oral	LD50	3700 mg/kg bw (rat)
Dermal	LD50	200-2000 mg/kg bw (rat)
Inhalative	LC50/4 h	20 mg/l (rat)
100-41-4 ethylbenzene		
Oral	LD50	3500 mg/kg bw (rat)
Dermal	LD50	17800 mg/kg bw (rabbit)
140-66-9 4-(1,1,3,3-tetramethylbutyl)phenol		
Oral	LD50	3210 mg/kg bw (mouse)
98-54-4 4-tert-butylphenol		
Oral	LD50	2951 mg/kg bw (rat)
Dermal	LD50	2288 mg/kg bw (rabbit)
136-52-7 cobalt bis(2-ethylhexanoate)		
Oral	LD50	>5000 mg/kg (rat)
Dermal	LD50 (Konijn)	5000 mg/kg (rabbit)

- Primary irritant effect:
- on the skin: No irritant effect.
- on the eye: No irritating effect.
- Sensitization: No sensitizing effects known.

(Contd. on page 9)



Trade name: Epifanes Clear Gloss Varnish

(Contd. of page 8)

- Additional toxicological information:
- Carcinogenic categories

- IARC (International Agency for Research on Cancer)

1330-20-7	xylene	3
100-41-4	ethylbenzene	2B
136-52-7	cobalt bis(2-ethylhexanoate)	2B

- NTP (National Toxicology Program)

None of the ingredients is listed.

- OSHA-Ca (Occupational Safety & Health Administration)

None of the ingredients is listed.

## 12 Ecological information

- Toxicity

- Aquatic toxicity:

64742-48-9 Naphtha (petroleum), hydrotreated heavy (Note-p)

EL50 (48h)	>1000 mg/l ((Daphnia magna-OECD 202))
EbL50 (72h)	>1000 mg/l (Pseudokirchneriella subcapitata-OECD 201)
ErL (72h)	>1000 mg/l (Pseudokirchneriella subcapitata-OECD 201)
LL50 (96h)	>1000 mg/l ((Onorhynchus mykiss OECD 203))
NOELR (72h)	3 mg/l ((Pseudo. subcapitata-biomass-OECD 201))
	100 mg/l ((Pseudo. subcap. growth rate OECD 201))

1330-20-7 xylene

EC50	1 mg/l (daphnia magna) (48 uur/hour)
LC50	13.5-2.6 mg/l (Fish Acute Toxicity Study) (96 uur/hour)

96-29-7 2-butanone oxime

EC50	630 mg/l (other waterspecies 1) (BACTERIA; TOXICITEITSTEST)
EC50 (48 hours)	500 mg/l (daphnia magna) 750 mg/l (Daphnia similis Acute Toxicity Study) (DAPHNIA MAGNA)
EC50 (72 hours)	83 mg/l (other waterspecies 2) (SCENEDESMUS SUBSPICATUS)
LC50 (48 hours)	750 mg/l (other waterspecies 1)
LC50 (96 hours)	320-1000 mg/l (fish 1) (LEUCISCUS IDUS; STATISCH SYSTEM) 48 mg/l (fish 2) (LEPOSMIS MACEOCHIRUS; STATISCH SYSTEM)

136-52-7 cobalt bis(2-ethylhexanoate)

EC50	0.1-1 mg/l (Algae, Growth inhibition test) 0.1-1 mg/l (daphnia magna)
LC50	0.1-1 mg/l (Fish Acute Toxicity Study)

- Persistence and degradability No further relevant information available.
- Behavior in environmental systems:

- Bioaccumulative potential

1330-20-7 xylene

Log Kow	3 (not specified)
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- Mobility in soil No further relevant information available.
- Ecotoxicological effects:
- Remark: Harmful to fish

(Contd. on page 10)

Trade name: Epifanes Clear Gloss Varnish



(Contd. of page 9)

- Additional ecological information:
- General notes:  
Water hazard class 1 (Self-assessment): slightly hazardous for water  
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.  
Harmful to aquatic organisms
- Results of PBT and vPvB assessment
- PBT: Not applicable.
- vPvB: Not applicable.
- Other adverse effects No further relevant information available.

**13 Disposal considerations**

- Waste treatment methods
- Recommendation:  
Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
- Uncleaned packagings:
- Recommendation: Disposal must be made according to official regulations.

**14 Transport information**

- UN-Number
- DOT, ADR, IMDG, IATA UN1263
- UN proper shipping name
- DOT CONSUMER COMMODITY, ORM-D  
Paint
- ADR 1263 Paint
- IMDG CONSUMER COMMODITY, ORM-D  
PAINT
- IATA PAINT
- Transport hazard class(es)
- DOT
- 
- Class 3 Flammable liquids
- Label 3
- ADR
- Class 3 Flammable liquids
- IMDG, IATA
- 
- Class 3 Flammable liquids
- Label 3

(Contd. on page 11)

Trade name: Epifanes Clear Gloss Varnish

(Contd. of page 10)

<ul style="list-style-type: none"> <li>· Packing group</li> <li>· DOT, ADR, IMDG, IATA</li> </ul>	<p>III</p>
<ul style="list-style-type: none"> <li>· Environmental hazards:</li> <li>· Marine pollutant:</li> </ul>	<p>No</p>
<ul style="list-style-type: none"> <li>· Special precautions for user</li> <li>· Danger code (Kemler):</li> <li>· EMS Number:</li> </ul>	<p>Warning: Flammable liquids 33 F-E, S-E</p>
<ul style="list-style-type: none"> <li>· Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</li> </ul>	<p>Not applicable.</p>
<ul style="list-style-type: none"> <li>· Transport/Additional information:</li> <li>· DOT</li> <li>· Quantity limitations</li> <li>· Remarks:</li> </ul>	<p>On passenger aircraft/rail: 60 L On cargo aircraft only: 220 L CERCLA/DOT RQ: 617gal./4786 lbs.</p>
<ul style="list-style-type: none"> <li>· ADR</li> <li>· Excepted quantities (EQ)</li> <li>· Remarks:</li> </ul>	<p>Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml Packaging &lt;450L: exemption viscous substances according to 2.2.3.1.5</p>
<ul style="list-style-type: none"> <li>· IMDG</li> <li>· Limited quantities (LQ)</li> <li>· Excepted quantities (EQ)</li> <li>· Remarks:</li> </ul>	<p>5L Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml ≤ 30 l: -</p>
<ul style="list-style-type: none"> <li>· UN "Model Regulation":</li> </ul>	<p>UN1263, Paint, 3, III</p>

**15 Regulatory information**

- Safety, health and environmental regulations/legislation specific for the substance or mixture
- Sara

· Section 355 (extremely hazardous substances):

None of the ingredient is listed.

· Section 313 (Specific toxic chemical listings):

1330-20-7	xylene
100-41-4	ethylbenzene
136-52-7	cobalt bis(2-ethylhexanoate)

· TSCA (Toxic Substances Control Act):

64742-48-9	Naphtha (petroleum), hydrotreated heavy (Note-p)
1330-20-7	xylene

(Contd. on page 12)

Trade name: Epifanes Clear Gloss Varnish

(Contd. of page 11)

80-46-6	p-(1,1-dimethylpropyl)phenol
127519-17-9	A mixture of branched and linear C7-C9 alkyl 3-[3-(2H-benzotriazol-2-yl)-5-(1,1-dimethyl-ethyl)-4-hydroxyphenyl] propionates
68409-80-3	Isomers of fatty acid calcium salts, C6-C19
22464-99-9	Zirconiumoctoate, 12 % Zr
96-29-7	2-butanone oxime
100-41-4	ethylbenzene
108-83-8	2,6-dimethylheptan-4-one
140-66-9	4-(1,1,3,3-tetramethylbutyl)phenol
98-54-4	4-tert-butylphenol
136-52-7	cobalt bis(2-ethylhexanoate)
112-34-5	2-(2-butoxyethoxy)ethanol

· Proposition 65

· Chemicals known to cause cancer:

100-41-4	ethylbenzene
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· Chemicals known to cause reproductive toxicity for females:

None of the ingredients is listed.

· Chemicals known to cause reproductive toxicity for males:

None of the ingredients is listed.

· Chemicals known to cause developmental toxicity:

None of the ingredients is listed.

· Cancerogenity categories

· EPA (Environmental Protection Agency)

1330-20-7	xylene	I
100-41-4	ethylbenzene	D

· TLV (Threshold Limit Value established by ACGIH)

1330-20-7	xylene	A4
100-41-4	ethylbenzene	A3

· MAK (German Maximum Workplace Concentration)

96-29-7	2-butanone oxime	2
100-41-4	ethylbenzene	3A

· NIOSH-Ca (National Institute for Occupational Safety and Health)

None of the ingredients is listed.

· GHS label elements

The product is classified and labeled according to the Globally Harmonized System (GHS).

· Hazard pictograms



GHS02    GHS07    GHS08

· Signal word Warning

· Hazard-determining components of labeling:

cobalt bis(2-ethylhexanoate)  
2-butanone oxime

(Contd. on page 13)

Trade name: Epifanes Clear Gloss Varnish

(Contd. of page 12)

- Hazard statements
  - H226 Flammable liquid and vapour.
  - H317 May cause an allergic skin reaction.
  - H351 Suspected of causing cancer.
  - H361 Suspected of damaging fertility or the unborn child.
- Precautionary statements
  - P102 Keep out of reach of children.
  - P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
  - P260 Do not breathe dust/fume/gas/mist/vapors/spray.
  - P271 Use only outdoors or in a well-ventilated area.
  - P280 Wear protective gloves/protective clothing/eye protection/face protection.
  - P301+P310 If swallowed: Immediately call a poison center/doctor.
  - P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
  - P501 Dispose of contents/container in accordance with local/regional/national/international regulations.
- National regulations:
- Technical instructions (air):
 

Class	Share in %
I	≤0.5
NK	25-50
- Water hazard class:
  - Water hazard class 1 (Self-assessment): slightly hazardous for water.
- Chemical safety assessment:
  - A Chemical Safety Assessment has not been carried out.

**16 Other information**

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- Date of preparation / last revision 01/21/2015 / 8
- Abbreviations and acronyms:
  - RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
  - ICAO: International Civil Aviation Organisation
  - ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
  - IMDG: International Maritime Code for Dangerous Goods
  - DOT: US Department of Transportation
  - IATA: International Air Transport Association
  - ACGIH: American Conference of Governmental Industrial Hygienists
  - EINECS: European Inventory of Existing Commercial Chemical Substances
  - ELINCS: European List of Notified Chemical Substances
  - CAS: Chemical Abstracts Service (division of the American Chemical Society)
  - NEPA: National Fire Protection Association (USA)
  - HMIS: Hazardous Materials Identification System (USA)
  - VOC: Volatile Organic Compounds (USA, EU)
  - LC50: Lethal concentration, 50 percent
  - LD50: Lethal dose, 50 percent
  - Flam. Liq. 2: Flammable liquids, Hazard Category 2
  - Flam. Liq. 3: Flammable liquids, Hazard Category 3
  - : Flammable liquids, Hazard Category 4
  - Acute Tox. 4: Acute toxicity, Hazard Category 4
  - Skin Corr. 1C: Skin corrosion/irritation, Hazard Category 1C
  - Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2

(Contd. on page 14)

Printing date 01/21/2015

Reviewed on 01/21/2015

Trade name: Epifanes Clear Gloss Varnish

(Contd. of page 13)

Eye Dam. 1: Serious eye damage/eye irritation, Hazard Category 1

Skin Sens. 1: Sensitisation - Skin, Hazard Category 1

Carc. 2: Carcinogenicity, Hazard Category 2

Repr. 2: Reproductive toxicity, Hazard Category 2

Asp. Tox. 1: Aspiration hazard, Hazard Category 1

· \* Data compared to the previous version altered.

USA